Atty. Docket No.: 4717-6600

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Christophe MALEVILLE et al.

Application No:

Group Art Unit:

Filing Date:

Examiner:

For: METHOD FOR EVALUATING PARTICLE CONCENTRATIONS IN A CLEAN ROOM OR

MACHINE MINI-ENVIRONMENT

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

Pursuant to applicants' duty of disclosure under 37 C.F.R. 1.56, enclosed is a PTO form 1449 which lists (3) cited references for the Examiner's review and consideration. These references were cited in the European Search Report, a copy of which is enclosed.

Pursuant to the recent rule change in the Official Gazette, copies of the U.S. references are not submitted. It is respectfully requested that these references be made of record in this application by the Examiner's completion and return of the PTO Form 1449.

No fee or certification is believed to be due for this submission since the references are being submitted concurrent with the filing of this application. Should any fees be required, however, please charge such fees to **Winston & Strawn** Deposit Account No. 501-814.

Respectfully submitted,

Date: 9 - 16 - 03

Allan A. Fanucci

(Reg. No. 30,256)

WINSTON & STRAWN CUSTOMER NO. 28765

Enclosures (212) 294-3311

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					APPLICANT:				
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Christophe MALEVILLE					
					FILING DATE:		GROUP:		
			U.S	S. PATENT DO	CUMENTS			τ	
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DA APPROPR	ATE IF LATE
·	AA	3,526,461	9/1970	Bo Oscar Lir	ndahal et al.	356	38		
	AB	4,725,294	2/1988	Berger		55	270		
	AC	5,804,494	9/1998	Mitani et al.		438	455		
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Zweigstelle in Den Haag Recherchenabteilung European Patent Office

Branch at The Hague Search division Office uropé n d s brev ts

Département à La Haye Division de la recherche

Grünecker, Kinkeldey, Stockmair & Schwanhäusser Anwaltssozietät Maximilianstrasse 58 80538 München ALLEMAGNE

GRÜNECKER, KINKELDEY, STOCKMAIR & SCHWANHÄUSSER ANWALTSSOZIETÄT

2 2. April 2003

FRIST TERM

GANG - RECEIVED

Datum/Date

22.04.03

Zeichen/Ref./Réf. EP24240-05148/j	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. $02292518.4-2204-$
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire S.O. I. Tec Silicon on Insula	ator Technologies S.A.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

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☐ title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



### **EUROPEAN SEARCH REPORT**

Application Number

EP 02 29 2518

X US 3 526 461 A (LAMME VALENTIN ET AL) 1 September 1970 (1970-09-01) 2 column 1, lines 24-33; column 2, lines 5-19; column 4, lines 9-17 and lines 31-51 3	TECHNICAL FIELDS SEARCHED (Int.CI.7)
1 September 1970 (1970-09-01)    * column 1, lines 24-33; column 2, lines    5-19; column 4, lines 9-17 and lines 31-51    *  A US 4 725 294 A (BERGER JOSEF)    16 February 1988 (1988-02-16)    * column 1, lines 25-27; column 2, lines    38-39; column 3, lines 1-12 *     US 5 804 494 A (KATAYAMA MASATAKE ET AL)    8 September 1998 (1998-09-08)    * column 2, lines 21-26; column 2, line 44    - column 3, line 11; figure 10 *	1N1/22
16 February 1988 (1988-02-16) * column 1, lines 25-27; column 2, lines 38-39; column 3, lines 1-12 *  US 5 804 494 A (KATAYAMA MASATAKE ET AL) 8 September 1998 (1998-09-08)  * column 2, lines 21-26; column 2, line 44 - column 3, line 11; figure 10 *	
8 September 1998 (1998-09-08)  * column 2, lines 21-26; column 2, line 44 - column 3, line 11; figure 10 *	
* column 2, lines 21-26; column 2, line 44 - column 3, line 11; figure 10 *	
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The present search report has been drawn up for all claims	
Place of search Date of completion of the search	Examiner
MUNICH 4 April 2003 Hooge	n, R
MUNICH  CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure  MUNICH  4 April 2003  T: theory or principle underlying the invention after the filling date D: document cited in the application L: document cited for other reasons  A: member of the same patent family, or document	ention

### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 29 2518

This annex lists the patent family membersrelating to the patent documents cited in the above–mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-04-2003

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#### ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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A method of evaluating a particle concentration, in particular of boron or phosphor, in an atmosphere of a clean room comprises the steps of exposing a test surface (2) of a test substrate (1), e.g. a Si-wafer, to said atmosphere (7) for a test time (step b'); catching and conserving a particle amount at the test substrate (1) at the end of said test time; analysing the particle amount, preferably by means of Secondary Ion Mass Spectroscopy SIMS (step g); and comparing the analysed particle amount with a particle amount analysed on a reference substrate (3) (step h). The particle amount at the test substrate (1) may be caught and conserved by bonding another test wafer (5) to the test surface (2) to form a bonded test wafer pair (step c) and by subsequent annealing (step d). The reference substrate (3) preferably undergoes the same treatment (step b). The test and reference substrates may initially be cleaned (step a). Prior to analysing the particle amount the bonded test wafer pair and the reference wafer pair may be separated (steps e and f).